Fax émis par : 33 4 72 85 28 43 Fax regu de : 81913747483 38/85/82 18:86 Pg: 2/3 RECEIVED

JUN 07 2002

TEUN UENTER 1600/2900 6/10/6

FILE NO. A33083-PCT-USA / 072667.0127 PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant

Cole et al

Serial No.

09/508,710

Examiner.

David H. Kruse

Filed

July 10, 2000

Group Art Unit:

1638

For

NEW PLANT GENES

## DECLARATION UNDER 37 C.F.R. § 1.131

## lan Cummins declares as follows:

- 1. I am an inventor of the above-identified patent application.
- 2. Prior to August 11, 1997, the invention described and claimed in the subject application was completed as evidenced by the following.
- 3. Prior to August 11, 1997, Ian Cummins isolated RNA encoding the glutathione transferase subunits of the present invention. A copy of the relevant lab notebook pages in which Ian Cummins described this work are attached hereto as Exhibit A. The dates shown on these pages are redacted.
- 4. Prior to August 11, 1997, Ian Cummins synthesized cDNA library from the isolated RNA described in Exhibit A and purified the cDNA library. A copy of the relevant notebook pages in which Ian Cummins described this work are attached hereto as Exhibit B. The dates of Exhibit B are reducted.
- 5. Prior to August 11, 1997, Ian Cummins sub-cloned the cDNA library into expression vectors and transformed E. coli cells with the expression vectors. A copy of the

NY02:388039.1



18:06

Pg:

FILE NO. A33083-PCT-USA / 072667.0127 PATENT

relevant notebook pages in which Ian Cummins described this work are attached hereto as Exhibit C. The dates of Exhibit C are redacted.

- 6. Prior to August 11, 1997, Ian Cummins checked the cDNA library expression vectors for the presence of glutathione transferase subunits by binding to a glutathione resin and by western blot analysis. A copy of the relevant notebook pages in which Ian Cummins described this work are attached hereto as Exhibit D. The dates of Exhibit D are redacted.
- 7. Prior to August 11, 1997, Ian Cummins showed by western blot analysis that certain cDNA's expressed glutathione transferase subunits. A copy of the relevant notebook pages in which Ian Cummins described this work are attached hereto as Exhibit E. The dates of Exhibit E are redacted.
- 8. Prior to August 11, 1997, Ian Cummins sequenced the cDNA encoding for glutathione transferase subunits and showed that they were novel DNA sequences encoding novel glutathione transferase subunits. A copy of the relevant notebook pages in which lan Cummins described this work are attached hereto as Exhibit F. The dates of Exhibit F are redacted.

92 B

Ian Cummins

Fax émis par : 33 4 72 85 28 43

Fax reçu de : 01913747483

May 30 th 2002

NY02:388039.1

DUPMOVATERESOLEX



Concerte gel intell plin a man derst on a sel,

Freeze disent over-expend for 10 x11 (orgally 2 ml 2 och 2 x 1 ml you)

I the yest - 200 for est bust.

I the of at - 200 kms. some 2, e x 1, e on yel.

MIONA -+ 25 KD what police.

Ue 20, e g 18H ith 21 2 roughl plu.

Cel.

- i) ज्ञास,
- 2) Cel well protes S.A.
- 3) Make.
- 4) 18H WR.
- 5) 184 200.
- 6) 24 P 251.
- 2) 2x Jungel + 201 18H
- 8) 1 e auni. #11
- 9) 2x amond #11
- 12) 184 20.0.

Repare werents / same / plantine for NVA prep. Am stored state.

Thirde MEP. 10 iols. third.

CHUDAD FRIM ONLY

IPA

75% GH

- 1) Horotarise 10-20:015. 5) (50-1)
- 2) 5 min e R.T.
- 3) Add 0.2-1 CHU3/MI THITOC (10-11)
- 4) Shake Isma, R+ 2-3min.

PLE ISOV + Sile star

Betok. 24 is pre

Descript bed in 26 KD.

ENA possue cont.

RNA as well with P/c/10A pA 4 x 1 C/200 -1

8) Inc. RT 10 min.

- (कांप किंपी)

1) 12,000 10 mm. 4°C. - ANA pelast.

( ) In1, Sam 100

10) Work 75% ADH (1-1 2 int for 1-e Mine)

A 260 = 0.36

in) valex + cont. 7, 100g Sinin 4°C.

A280= 0.23

12) Airy remail is DEPK HO & chick it soit = 1.56

Poly (A) + b. echon,

A1= 40, 1-4, 1.46, 1-e, 

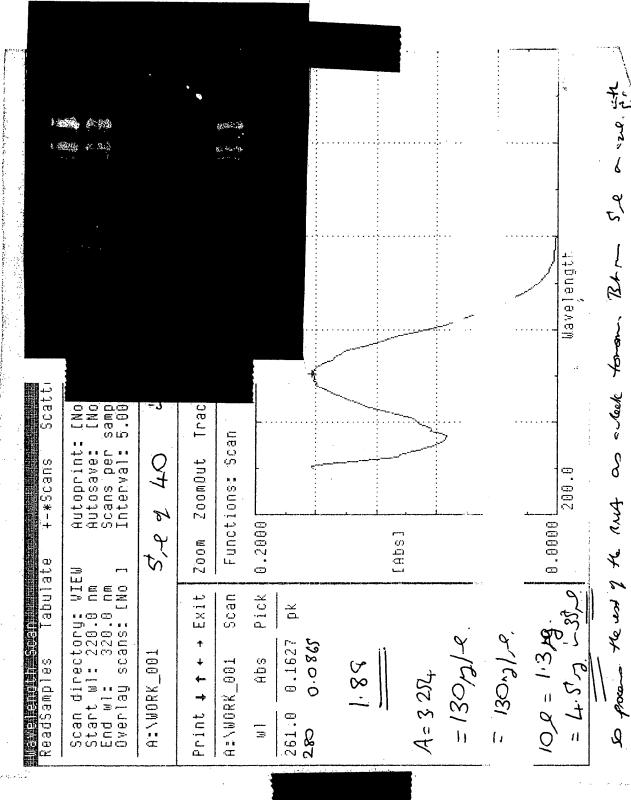
Busher to make - 1x works Busher. 10mm MU-HCR pH 7.5 150mm lice I AM Gosta.

757 ANA 7 = 1.50 A+

- 1) Shot ch 75'y RUA 12 100 e.
- 2) -1650c 2min.
- 1) We 200 in Buts. + with Gop. in Might. Aller 30 res more SN + with 100 e 2 x Bing Ble: (PINK).
- a) Ten enoe for most & all 100 e 2x Biling Biller
- 5) ADD RM + mx stal Sma RT.
- 6) Mart 30 ms. Rome SN.
- F) Ad elle the (5°C, 2mm me + ene SN tom + de. Can all RNai vitore -80°C

Print 318.Y ပ (၁) (၁) Method name: A:\DEFAULT Autosave name: [A:\]SCANS Sampling device: None Read average time: 0.50 st Annotate Autoscale Wavelength Function e: [Sec] Trace Wavelength: 288,0 Reading 0.22848 Functions: Scan ZoomOut 218.0 Function Scan 0.0800 0.4000 [Abs] 200m Scan directory: VI Start Wl: 220.0 nm End Wl: 300.0 nm Overlay scans: [Wo Exit Scan Pick ă + 0.3603 A:\WORK\_003 Abs + A:\WORK\_003 Print + 262.0 

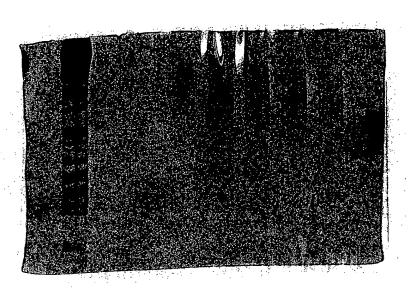
| Ž.                   | 2-21 -5-e NNA +01.   | we 2100  | 1. 69.  | e or   | 1.21.   | ym TBE 2   | و.                                  |
|----------------------|--|--|---|--|---|--|-------------------------------------|
|                      | 75V 1L.  |  |   | en de la company | 1 of ANNOTE SEC. 1557 TO Sec. 1 Sec. 15 The ANNOTE SEC. 1557  | of separate for many control territory grade by any control of the   | .,                                  |
|                      |  |  | -   |  | ,<br>   | er two or hit is on you at more to be proposed used in page 11 or 12 or  | ***                                 |
|                      | Stailson   |  | tion on the state of the state |  | erik. Malain da piragadan kan saya sa pipangan da naya  | en - 8 - 187 on halon, which historical specificalists with his him.   | · was say, a secondarian year, man  |
|                      | esa oryle.   |  |   |  | and a final country and the second | NA P   | Topological Page 171 days           |
|                      |  |  |   |  | RNA   | e 1.44 mj  | 8.                                  |
|                      |  | Person to Produce  |   |  | €-7:  |  | language on an appear arrying a     |
|                      |  |  | 像或  |  |   |  | en man man provider s for a section |
|                      |  | \$ 3   | <b>300</b>  |  | 52,   | e +48_etk  | <u>o</u> .                          |
|                      |  |  |   |  |   | = po gol   |                                     |
|                      |  |  |   | -  |   |  |                                     |
|                      |  | Maga Jag   |   |  | ty ai   | 100 le   | 4                                   |
|                      |  | page (mar)   |   | ***************************************  | = 16  | 100 e re   |                                     |
|                      |  |  |   |  |   | <i></i>  |                                     |
| 1967<br>1967<br>1989 |  |  |   |  | ر ب   | -1-27  |                                     |
|                      |  |  |   |  | i. Do   | 55es   |                                     |
| 4.<br>4.             |  |  |   |  | for s   | 55000<br>= 5 <sub>77</sub> .   |                                     |
|                      | Larls OK - 50  | me pay   | $(a)^{+}$ .   |  |   |  |                                     |
|                      |  |  |   | galant lagge, and an of the matter of the lag  |   | the commence of the second   | armonimo en en consensa e           |
|                      | Pepue at selve   | - (117   | 11175 1   | buk , 7  | xocal   | (m)  |                                     |
|                      |  |  |   |  | שטע   | For 10 m   | 1.<br>/ml                           |
|                      | 1x WAY BLHO -  | 10mm   | MU-HCe  | 2.Elbo   | IM  | جر 100   |                                     |
| 50 m                 |  | 150mm  |   | · pi   | 80  | 188 ne   |                                     |
|                      | The second secon | 1 m m  |   | an than game as in that days along the state and the   | 0.24  | 20,0   |                                     |
|                      |  | rium mari ( Aliantesante Les vive) — Aliantesante  | enterior and the second and the second  |  | ,   | and the second s | 969                                 |
|                      | And the state of t | - errored server of a real armaer aperior  | Milliande e la recentión de la servición de la recentión de la recentión de la recentión de la recentión de la  |  |   | 308_l  |                                     |
|                      | And the second   | mer self-refer to a color of self-refer to a color of the self-refer to a self |   | manage e manage e  | 944   | 9,692  | PERSONAL SERVICES                   |
| San Francisco        | The first time where a state of the state of | 10 Aug. gam  |   |  | •   | 10,000 pe  |                                     |
|                      | Poel 100e MMA x2   |  |   |  |   |  |                                     |
|                      | 130 e RNA (#3)   | een:   | 8 of end  | L. (→24  | ~   |  | _ ,                                 |
|                      |  |  |   | 3×8  | - 80°C  | te tegi, existentingular e magazar, amino a  |                                     |
| ()                   | Alio port  | l whom -   | -83C  | * *  | - •   | -  |                                     |



| Find injection for white 26 +27                       |
|---|
|   |
| Renoc (24) 6,1 27 Hom                                 |
|   |
| he see of see men Hypo- 26, + 2 hers 2 array (+10×11) |
| \$ #27, → 1/2 e + 1/2 ~e F(A)                         |
|   |
|   |
| $e^{-4}$ ( $\Omega^{+}$ $f$ +1200.4                   |
| Pupae me poly (A) for bhe RNA. For Int.               |
|   |
| Mak 2 x Binky Butter. 20 mm MIS-HCE pH7-5 (IM) 20-e   |
| 1 M KLR (En) 125mg.                                   |
| 2 mm EDTA (0.50) 4,0                                  |
| #p 811  |
|   |
| for 2 nl 2 x Binly Button 40_e mis (in)               |
| 202 Encle   |
| 8 e 500 60M   |
| 1702 e M2 (851x2)                                     |
| 2 ~1  |
|   |
|   |
| $\gamma \sim 2$                                       |
| 2 x 200 e regits of toll IM porcant - 10 pe ench      |
|   |
| Post de the At, scan , mongel                         |
| Als 11 Je pup a 2001 10. MM -> 100, Mulenge           |
|   |
| Cal. Dre.   |
| i) -<br>j) 70, 2, 4                                   |
| 4) Ist Pol A 21, Stee                                 |
| 5) 2nd prop. 1nd,                                     |
| 2) 1st Bets amond 5.0.                                |

The state of the s

c DNA southin you = sy pos (A) \* and filler le strape paroul : Que to peijoble jour l'édy e-2000 (as lich tomon) 12. 6. 96 at cerelo 96 13 6, 96. Read cons 60 ms, 4°C, 10,000g watel pool 70%. CHOH, del + commetel in 8 l EcoRI adyptors. Lyola ON as for potent 8°C 14, 6, 96. Kine x X101 duston of CDNA prior to spi eduna Male 6% auglante gel i 1 x TBE for fruka angio Stick earlant in 40% 10 x 78 E 1-1 1.5-1 Acrack / Ris 7.5-e 10 %. 100e APS 10, 100 TEMED



.

|  | e de la companya della companya della companya de la companya della companya dell | The transport of the property of the second |  |
|--|--|---|--|
| 6 ghouses taken = 60 ml.   | paul the lay   | Lange 5-500   | alumn,   |
| 6 photos falor = 60 ml.  |  |   |  |
|  |  |   |  |
| 5're geat → g  | el.  |   |  |
|  |  |   |  |
| cel ~ i 1x TBE,  | 150 V = 4  | 5'mn he   | APB at bottom  |
|  |  |   |  |
| Staid i Bro-Rel ale 5  | ta   |   |  |
|  |  | e and the terror and anomalian and all a substitution   |  |
| ael. i) -  | titient til til 1 sen i sekste om med storen samme om med 2 sen en med sekste om en 1 sen en 1 sen en 1 sen en   |   | The second brief colors and the second secon |
| 2) AA+ te.   | THE SECOND SECON |   |  |
| 3) -   |  |   |  |
| AND DESCRIPTION OF A STATE OF THE PROPERTY OF A STATE OF THE PROPERTY OF THE P |  |   |  |
| The second secon | 7 948.   | 2   |  |
| The state of the s | 0 1p→3kb   | ue 2 ×3.  |  |
| AND THE RESERVE OF THE PROPERTY OF THE PROPERT | odp-3kh  |   |  |
| <del>2)</del> 4  | •  |   |  |
| F) J (   | 200 ha - 2 th  |   |  |
| 9) 6   | boop -> 3kb.   |   |  |
| .e) —  |  |   |  |
|  |  |   |  |
|  |  |   |  |
| fuer exhibit ith   | Plc. x1  |   |  |
|  | C/100 x 1  | x Ganu -  | L) ~ZOPC   |
| en the cooked  |  | · Con p   |  |
| 12   |  |   |  |
|  |  |   |  |
|  |  |   |  |
|  |  |   | time a management of a   |

| Pollet the precipitaly DNA 10,000, 420, 1h.   |
|---|
| Record the precipitaly DNA 10,000g, 4°C, 1 hr. Record the DNA pelat i 4 at st. 40.  |
| Quanty on Ethilus Brownile Plake  |
|   |
| Est 10 Cyclo- 0/N 12°C.   |
|   |
|   |
| Pepae host stown for parky reacher.   |
|   |
| XLIBARF' - place at onto LB Tet Agar. (12.5/2/21)   |
|   |
| Inocale 50-1 LBTet 10mm MgDL, 0:2% Madre.   |
| → 37°C 4-64 OD 61.  |
| - Relex 500y 10 min.  |
| 25ml 10mm 19806.  |
|   |
|   |
| VCS 257 -> LB   |
| SOLR → LB kan (SOm/mi)  |
|   |
|   |
| Make 20% nathe in 11, HW in 1 like thinks   |
| 10 mM 119804 - antilue  |
| st. Hro.  |
| Kanage stock (som).   |
|   |
| ACTIONNESS MANAGEMENT AND ACTION AND ACTION OF A STATE |
|   |
|   |

| ************   | 20 %   | 6 M-eh   | e -  | Tor   | 50  | <u>~</u> /  | 109                                       | 4 21h        | Stell                                  | ¥  | na ta an angue ten e sette e top   |
|--|--|--|--|---|---|---|---|--------------|--|--|--|
| errore etc. 4 c c  |  |  |  |   |   |   |   | 1 - 59       |  |  |  |
| a raise and any or a said a  |  |  | ore the state way to   |   |   |   | caretti e idanii e - Constituti es incate |              |  | Incol -  | LBTed 1  |
| - 42 - 100 - | LB   | kt pla   | les_   | 5   | 00~1  |   | 5' g                                      | Nace         | ************************************** | 5'00%  | Nace   |
| anni (asi iga iga ma aga da da a da a da a da a  |  |  |  |   | na en   | n / 1   |   | Typhe.       |  | 5000   | Trp  |
|  |  |  | to par Materia I magai managang a man  |   |   | ne ne service and service   |   | Yeart Can    | had.                                   | 250m   |  |
| Nagonara Walana and America as Ar  |  |  |  |   | none e brance e me e a a la   |   |   | Azu.         |  | 125  | Myb.   |
| The Market season of the season course   | ·  | en el company (no company of comp | The state of the s |   | *** ** ********************************   |   | → pH =                                    | •            |  | 714  | 7/0  |
| and the control of th |  |  | ne est is all at a part of   | - mg 24 4 - mm a 1 - 24 m 2 1 m a 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 |   | ante es es subserium de la leve y de  |   |              |  |  | n prijes o tikak njihakinaan me kina par   |
| ama kannan adarran a madal a ta' sakar a   |  |  | and the second second second seconds.  | nagaganin dikana <sub>ala</sub> n ka gi ang, i mand                     | ng sam at mangamenta sa a sam   |   | angagani sangaga saha pasangan sa da      |              | 246                                    | ار 10 m  | 4= J.S.  |
|  | LB   | 10p  |  | 500.  | ~ /   | 5,  | New                                       | 215m1<br>2.5 |  |  |  |
| a National Water Contract  |  |  |  | Placement The Chappy of A and the Appendix                              | الويون د دي ۾ له چينه استاد ديني  | 50  | Typhe                                     | 2,5          | 101                                    | mm 115%  | <b>0</b> 4   |
|  |  |  | formani ud Fr kin spiritual ik start   | Name (Marker of Sales (No. 1911 - N                                     | na anche de financiento, ca carrenno cacabi   | 2.53  | Youst E                                   | us 1.25°     | - 1                                    | 1.252  | .col ←   |
| or and districts of the control of t |  | maa ay ee ee aanaa ay ee ee ee maa ah dhis ama e   |  |   | For the district of the country of the contract of the country of | 3.5   | 2 19                                      | arcre 1.75   | ~ #                                    |  |  |
|  | , man (200) (100) . The comment  | to wages status and the states of above  | anna Pri a strongari   | eganica internet territoria   |   |   | 7.0                                       |              |  |  |  |
| a . M. Maradanader (d.a. Jajob Ross, Jaj   | nga tagang pan da da dag dag di kada gang di tag   | na de agua de la formación de la fina de la  | ***************************************  | ·   |   | an mary one of the consistency of the constant  |   |              | e tana managan e ne kanadan arang d    |  |  |
|  | and the last partie and a partie and an analysis of the last and the l |  |  | ***************************************                                 |   |   | waste with the same and the               |              |  | despet (Arminages (to ) ) by the Armina              | er competitions are a majoritaries o   |
|  | NZY  | Ajo  | ploke  | <b>5.</b>   | 500-4   |   | 2.5                                       | J Nace       | or on our record or order              | ration of the designation of the sales of the sales  | to the single state of the stat |
|  |  | and the second second second   |  |   |   | to a special magnific sq. of  | 1   | mgsoi,       | . 7 Hz                                 | <u> </u>   |  |
|  | Many and I special distances to  |  | *******************************  | Marchael March  |   |   | 2.5                                       | y Yens 2     | GUL                                    | ter company of the supergrams.                       | nana araba araba araba araba araba   |
|  | the Millian at a distribution  |  |  | *****   |   |   | <u>5</u> 9                                | (arai        | Hooly                                  | , d  |  |
| nn o dde dai dan 'e ages   |  |  |  |   |   | of the second section of the second section of the second section | 7.50                                      | 3 Ago-       | e ya Mate e yayi kapancan ayir 1704 ya |  | an si to tage the say regulating case or just have   |
| able to the Second second  | and the or substitute  | متناطري وجوار ومداد عداد   | والرافاة فيسرسطون والشبر   | (Bada Bayara Callegrando de la 122)                                     |   |   |   |              |  | en die beschiede de | ar financiaprocrama er er er enter er  |
| - 1 80°  |  | MATERIA / M.A. 11844.  | MT 6 7 7 8 8 176   | the constant part sha   | and and the second  |   | and the constraints of the constraints of |              |  |  | en groot gant t  |
|  | N27  | 1 top  | يس<br>- معاد دو دور ويور   | 10  | o.e _   |   | 2.57                                      | Ne.          |  |  |  |
|  |  | ,  |  |   |   |   | ig  | ב הפע"       | 140                                    |  |  |
|  | ALMIT W. GAT TORRE A   |  |  |   |   |   |   | 16m) (       |  |  |  |
|  |  |  |  |   |   |   |   | Cari         |  | ***** * **   | .,   |

5'rd dup - 200ml.

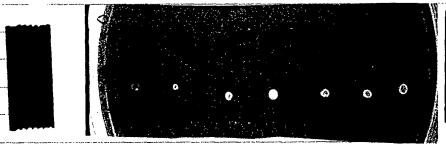
1.16g Nace, 400mg Mg504, 740 10-11-1 MISGUT.S) 1.2/2 MIS 1-1 2% Geach 20mg Geloka.

truber 1,2 +3 were pooled with 5) e they were than all marsimel com.

O'Se as quetelants GABT place it DNA startants

appear to be planty of court. Coll it 150 y/re

Set po lyabor & the the not of the cDWA - 8000



5 100 mg = 1 + /2 - 10h.

Lyahon 1 0.75 de con A Lynkon 2 Divi com x3

0.5 de 10 x Britis

0.5 de 10 x Britis

1 de Unitar 0.5 de 10 x

1 de Unitar 0.5 de 10 x

1.45 de Ho

0.5 de Lyade 0.5 de Lyade 0.5 de Lyade

Gran plating sells - 50 - 2 28 19 + 0.2%, nache + 12,7 /0 Fel. - del colony of XLIB ORF', - Troc 200 pm. Today just ande slading welles a 00 perhang ich, tomorrow leco of sereand fellers Calls go to OD 0.598. Peller 1007 i 2x25-1 alists e LOC Regul is 215ml Dam My son - OD Store on ice e 400 Dille tom to punkage Pechany of Com. 3 e y en 1 13 e 1 e, so 2 were partial it I the earling biggest III for 90 min Romanter of Cycle - 8000 Male Int OSM IPTG iche 1-1 xGe 250-7/1 c DAT. 1PTG = 238.3. 11 = 23837/-e OSM = 119 mg/e Peding wells OD = 1.4 V= 15-1. 12. -> 42-e for ODO.5 1m1 -> 2.8 m1 0.33~ - 0.933~ 0.33-e + 0.6.e.

| <u> </u>   |  |
|--|--|
| Resel pakerel 1 × 2 libraine   | on NZ1 X-OBL IPTE as is  |
| Perse paterel 1 × 2 estaine<br>Statue name, i 2.5 ml NZ1 TO  | P. (3-1 batter)  |
|  |  |
| 1,e Nest, 10, 100 × 1,000 to   | - 1 + 2  |
| Dais me i sm. Story  | ( of 4°C.  |
| Pares -> 770c o/N.   |  |
| 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1   |  |
| Alexander BL21-UES in The  | pland for pet/cst 2+ =1  |
| Also etambor BL21-DE3 ith - pland pep Ju 9/4/96. We 12   | n to mile her polici pep   |
| Morror property of a registration of a registration of the registr | and page of a particular of the second page of appropriate and an analysis of the second page of a page of the second page of t |
| undell play allo - on  |  |
| Tonom - asky libry & mile  | - sloke for home also-   |
|  | - Carlotta - Land Carlotta - Garage Carlotta - Carlotta - Carlotta - Carlotta - Carlotta - Carlotta - Carlotta   |
|  |  |
|  |  |
|  |  |
| CIT PET trustoling OK -> 40 ( for  | rend cook  |
|  |  |
| Lby tois Ok sel "16.7 Che  | ·  |
|  | or 1, (10, cm.   |
| 1/10 = 11 plans 0 h  | en 730/e for sool = (365,00 ph)  |
| 2 1/10 = 178 1. 3 e  | ار ١٠٥٥ وهي الم  |
| A1 4 0 1   |  |
| Also him our lyes to C   |  |
|  | = 2,700,000 ph.  |
|  | - 1-12/3   |

for immuseum - Joan 37°C 3-46.

Nhakle in Din 1076 - by an pager.

Overy 246 37°C.

Reme Ind Zonn.
Cool, much vere.
Luston 660.
Perk - 400.

Plak libry on 2 dishes for amplification Re-wat of Too peols for eby the. Ble budgood in mel : 2% 1 100 = 33, 0 ilus 3,300 ph/e 1,650,000 ph. 100 = 22, 2 klas, 2,200, File 1,100,000, Km. 1. 2,750,000 p.h. the 3-1 top you for 90 mm place 64cm2 Browney dol = 591cm2 = 27.7 ml top game we 30 ml, ie. 10 x mls. / jel 30ml top spare. 2-1 party wes e OD Ois By obula - 2 e 1 16- 1 90 an per in Ok = 20 e for de 20 x = 66,000 pt 1 on please thing 18, 130,000 = 44,000 ph 2 pruly selly - 330 0 + 660 0 Mgh = 51,e 46 1 for 4n1 1.32ml 2.44.0 = 77 e 46 2 2 ml wees 2-1 wells 51e 1261 77-19 1962 30 ml TOP Agare 30. - 2 TOP Agare Grade SPC, and in 30-1 SM, sick old 4°C. Rue SM, we seek 7-1 SM pool, CHCy to S'/ V/V, mix RTISAM Rolan 10 min 500 5N - CHCB, 0.3 1. VIV LC.

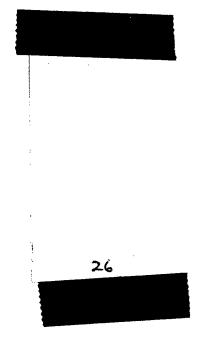
She - 150 7% DAG

WYLLYMAN SAS MAN SON

| . 4)                  | rate 2   |   |                                |   |   |  |
|-----------------------|--|---|--------------------------------|---|---|--|
|                       | Fir 400.   | 1 LB  | 4,3                            | Nace  |   |  |
|                       |  | Marries of Control of Married Marries Filt. |                                | 7-p   |   |  |
|                       | anders - Andrewson's Control Control Control Control   |   |                                |   | → pH70  | •  |
|                       | Mede   | Aniec_                                      | e 100                          | ).y/m/  |   |  |
|                       | Cal  | he-oul-                                     | e 100<br>e 100                 | 7/~1,   |   |  |
|                       | i y 2  | x Sml c                                     | olv ele                        | - pe  | 6. 100g)e   | can la elle  |
|                       | and the same of the control of the same of |   |                                |   |   | anne de la compania del la compania de la compania del la compania de la compania del la compan |
| 'y Towas which person |  | annua ina amnani taon suoti is si           |                                |   |   |  |
|                       |  |   |                                |   |   |  |
|                       |  |   |                                |   |   |  |
| ,                     | at the   | am l'i                                      | Li es                          | Appendiction to the Application of the Application |   | ish slokes   |
| 44 C                  | ian Ne   | emei  | س ما                           | Appendiction to the Application of the Application |   | uth slokes   |
|                       |  |   | moreovers as the second of the | g plotes i  | . 30~1 SM<br>V. →RT 15.   | uK slokes<br>un.   |
|                       |  |   |                                | g plotes i  | . 30~1 SM<br>V. →RT 15.   | uth slokes   |
|                       |  |   |                                | Appendiction to the Application of the Application | . 30~1 SM<br>V. →RT 15.   | u.M. slukes<br>un.   |
|                       |  |   |                                | g plotes i  | . 30~1 SM<br>V. →RT 15.   | uk slokes  |
| 3                     | bler k   | omin,                                       | rooj.<br>- Lle                 | 7 plotes 2<br>CHCh & F<br>+ 0.3% C  | . 30~1 SM<br>y. →RT IS.   |  |
| 3                     | bler k   | omin,                                       | rooj.<br>- Lle                 | 7 plotes 2<br>CHCh & F<br>+ 0.3% C  | . 30~1 SM<br>V. →RT 15.   | c ow.  |
| 4                     | bler k<br>5N –   | orin, felo ex 2x                            | roog.<br>• He<br>voe           | CHCH & S  H 0.3% CI   | . 30~1 SM<br>y. →RT IS.<br>IC13.  | c ow.  |
| 4                     | bler k   | orin, felo ex 2x                            | roog.<br>• He<br>voe           | CHCH & S  H 0.3% CI   | . 30~1 SM<br>y. →RT IS.<br>IC13.  | c ow.  |
| A.                    | bles k 57 2-14   | orin, felo                                  | 1000 g<br>Le<br>2000 e         | plotes : CHCH & F  + 0.3% CH  LB CAMB 100   | . 30~1 SM<br>y. → RT IS.<br>IC/3.<br>I have compared to the compare | c ow.  |

|                                    |  | The state of the s |  |
|------------------------------------|--|--|--|
| PCR ~ 5 plans fr                   | plote 1,   | 5d-pec   | 2,   |
| T3 + T7 pmin ac e 15,              | p-/_e.   |  |  |
| Pick place - 100e sn -             | Mexace   | 5'-e po-   | tempole.   |
| KR ~x 9.0                          | ~e 250mi   | m 196/2  |  |
| <b>5</b> _                         | e lox B  | Ale  |  |
|                                    | e 1.25mm   |  |  |
|                                    | L T3   | transfers the near the second section of the sectio | The state of the s |
|                                    | ナチ   |  | 1  |
| s.                                 | Torlde   |  |  |
| のけん                                | TRQ.   |  | The second secon |
|                                    | * ************************************                 |  | ½ _eo.   |
| -ue M5 mx. 11x                     | 4.5  | e nsa  | ್  |
| ·                                  |  | TEND.  | <i>ع٠</i> ۶  |
|                                    | orse   | TAQ  | 0.25   |
| + ast, kal faile but 500 bp - 2kb. | 3_e  |  | 1.5  |
|                                    | 32   | Tユ   | זיו  |
| PM composts contaminatel?          | 34 e   | H2.  | 17   |
| Do ask per ray en dithet           | 501.   |  | 25 pg  |
| Pres to chek.                      |  |  |  |
|                                    | Maria artar a ir mai timoriyang iyani kalayasan kiya a | eff t degree and a man of the effect of the  | The state of the s |
| Made mix for 11 tles = 24          | .75 @  | MS 114   | the second amount of the control of  |
| <del>-</del>                       | 75e  |  |  |
|                                    | .se  |  |  |
|                                    | ,s_e   |  |  |
|                                    | e Hr   |  |  |
| - 14                               | ·sse   |  | 2.5'e Mix+2.5e   |
| $PCR - 25 \times 94 - 1$ $32 - 2$  |  | * · • • • • • • • • • • • • • • • • • •  | TEN?   |
| _                                  |  |  |  |

Hati alls you of i som LBry Tet. 30°C. reach - 10-e 10mm MyDG - 0D 2.1. Tale /m1 + 3-e 10mm 17,504 -100 0.5 for platy (DOS) Second by did and platy cells 40,e 402 25e 461 30-1 DP Ajame on e 10-15am. Gon 3-4 h, overly I tele is 10mm IPTG. Con 3-4 to diene Leter 1PTG = 238. 10mm = 2.38 m/4. for 100ml - 238mg : st. 40. After 3/24 plages just will One in N/C +1PTF for 4 h. Lift & (stre in TBS O/N.) Detect tomorrow D.D. ran som the protein from fully's aurrepoint water Ok feir un matel i eat corner. lefted y ince in 1x785 - Pprec role po in 200 e 3%. Mane, 1x785. Inc o/N 4°C 21F 5,000, for 200-1 40,e Ab.



| we see as wel - 2'3 At 500 14.   |
|--|
| Wah or wel.  |
| Work 100 mm MIS 9.5 + delap  |
| C> 15 +00.   |
|  |
|  |
| R-21 × 665 for now 465   |
|  |
| i) . LDR. HB'  |
| 2) 24P 20e   |
| 3) 14H 208. Rue 150V   |
| 4) 23 H 20 e. Bbt.   |
| 1) Deseroul S. Strebbt -2000 will Aby realy.   |
| 6) SD/H.   |
| F) 249 Rues - 27 - and pilisat but -3 41. ATI.  5) 14H  No real - M orange pole.   |
| 5)14H Norcale all orange pole.   |
| 9) 23H 26-no/hig.  |
| 10) Ough Bust a check agen.  |
|  |
| Abs. and, so black C inc is to 1,000 O/N.  |
| Record = 8-1 geal> -20°C Im) «ligido.  |
|  |
| Picker 17 1'y plan -> 1ml 51 +200 CNCB.  |
| Voller + store 4°C. Arce the = 6 × 107 ph/20.  |
| ie 6 x 104 pfu/ml.   |
|  |
| AND AND THE RESIDENCE OF THE PROPERTY OF THE P |
|  |

|          | <b>2</b>             | lop cert                            | m blots,     | . Was as au                                     | e. 2     | ) AL 10,000   | · 1/4 |
|----------|----------------------|-------------------------------------|--------------|---|----------|---------------|-------|
|          | Econ                 | day so                              | <b>-</b>     | ane l'y stoc                                    | to ane   | e 6x104)      | of Ju |
|          |                      | i.e. 10                             | = عر         | 6x10 pf.  |          |               |       |
| <u> </u> |                      | Venl 6                              | x /0         | 4 6 x 102                                       | ph fo    | r Iplde.      |       |
| 2';      | i.e.                 | 10, e<br>10 <sup>-1</sup><br>4 deri | 7 1<br>'s 1, | 0-3 < 10-4 s e per -1. for 10-4                 | 40-69 \$ | OK for        |       |
|          | 20                   | المد عات                            | o 10         | e place, 3-1                                    | TOP      | Agore         |       |
|          |                      |                                     |              |   |          |               |       |
|          |                      |                                     |              | + 10TC < inc.                                   | 37°C     | ∍ <b>j</b> w. | pher  |
|          | /0~4                 |                                     |              | 4. + 10TC + inc.                                | 13°C .   |               | P/JBS |
|          |                      |                                     |              | + 10TC < inc.                                   | 37°C     | ∍ <b>j</b> w. | P/J&r |
| ina      | /0~4                 |                                     |              | 4. + 10TC + inc.                                | 13°C .   | ∍ <b>j</b> w. | P/TBS |
| int      | /0~4<br>2/F          |                                     |              | 4. + 10TC + inc.                                | 13°C .   | ∍ <b>j</b> w. | P/TBS |
|          | /0~4<br>2/F          |                                     |              | 4.<br>+ 19TC x in.<br>4+ N/C, wol<br>For 400=1= | 13°C .   | ∍ <b>j</b> w. | P/JBS |
| Par 10   | 10-4<br>21F          |                                     |              | 4.<br>+ 19TC x in.<br>4+ N/C, wol<br>For 400=1= | 13°C .   | ∍ <b>j</b> w. | P/J&S |
|          | 10-4<br>21F<br>Bels- |                                     |              | 4.<br>+ 19TC x in.<br>4+ N/C, wol<br>For 400=1= | 13°C .   | ∍ <b>j</b> w. | P/T&S |
| Page 10  | 10-4<br>21F<br>Bels- |                                     |              | 4.<br>+ 19TC x in.<br>4+ N/C, wol<br>For 400=1= | 13°C .   | ∍ <b>j</b> w. | P/TBS |

| Pich 2'y swa.                         |                                   |
|---------------------------------------|-----------------------------------|
|                                       |                                   |
| Were power put 5:13h                  |                                   |
| If too dans, then pich all            | publics from 1 place, pool        |
|                                       |                                   |
| 460 Het-GH alum Jun<br>CSTIL Lambogue | from the pellets of many          |
| CST IL somline                        |                                   |
| be soldets by some in i               | 10 ml sele. Pelah debis           |
| « do CDMB ang.                        |                                   |
| Cla_ = 0.05)                          |                                   |
| <b>∞</b> 5N > 0.105°.                 |                                   |
| y Aprey to low-CIH as wel.            | Any sel pres for CDAB             |
| acti-f.                               |                                   |
| Dil not bind! So for the mor          | ant tim this a war froze 14ff for |
| <i>Ab.</i>                            |                                   |
|                                       |                                   |
|                                       |                                   |
|                                       |                                   |
|                                       |                                   |
|                                       |                                   |

| Poede for Sigk-close excision.  |
|---|
| 1) Shock XLIB MRF' on LB let. (12 mle) SOLR LB kan (50 mle)   |
| 2) am olv color of XCIBMH' ret Mal Mosson, sour i LB kan,   |
| Mare 1001 LB & 5'00 e flik  |
| Need. A-picillin Plates   |
| S-1 4B5   |
|   |
| of N Cipul cohos of XLIBARF' Machine/Mg/Text  |
| prem 500g 15'min , roughl : 10mm 1y50g, to 0D g 1.0.  |
| Ex-arist is e 10° pf./re un 1,e.  Assure plus puls un e 10° pf./re un 100 e +180 est.  200 e xc18 m² e 00 1 |
| c > 37°c, 15°m i flor fee   |
| Att 3 e LB x ic. 2 & L 370 c. in shehing  |
| C) 70°C 20 min _ 1000, 15'min Keep SN.  |

50D1

SOLR (25-1 m/sa.) OD = 2.02 → 50-1. XLIB (25-1 m/sa.) OD = 2.5. → (25-1.

Parjone pland one on the 12 size plane picks in the lost fily. As per potone, so med 10 e « Le 4 excil physics in 200 e sour cello i plant distribut anot of the onto 4 the source of the onto 18 the police. I 37°C of N.

Planty of colories on ell the places com there up of in LB AMP for spland pages tomorrow.

Toly - re-sum the 1'2 perls 1 could -6- puty by 2'y sum, ine #7, 3, 12.

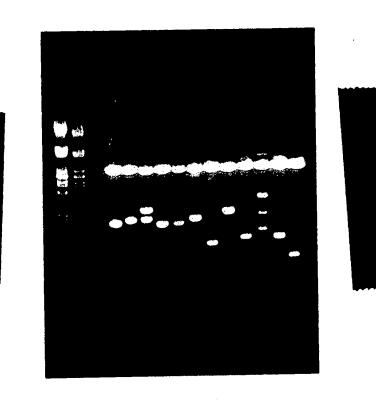
Die to 10-3 × 10-4 are 10 e place est 100 e colo OD 1 x 3 ml top againe

Inche 46, and it N/C die + IPTG vinc O/N.

Alor - gel puly 24 kD bal a 2 0.75-m 15%. To Trans

Lat 100 e g 9/2 # 10 on each. Fix 15min. Star. 10 min - excite but it inc. in Poregu ture O/N.

2000.





| 2 1 - 4 - 40 - 4        | New Wiz. peps for 12 O/N SOUR cetas. |  |
|-------------------------|--------------------------------------|--|
| 3ml cohec - 50e DNA.    |                                      |  |
| Dipot 5 a = 30e Gons    | L/X401.                              |  |
| S'LE DUA                | 39 e 10 u                            |  |
| 3e10x for 13 mod        |                                      |  |
| le Goll                 | 13e x4.01                            |  |
| Le X601                 | 26Qe tha                             |  |
| rac tha                 |                                      |  |
| 302                     | the 25h foreal direct                |  |
| Dist 1/8st 1 male. I se | 0.5 mg/re. For 50,7 - 600            |  |
| (مرمع) لا عردها         |                                      |  |
| 20.2 10x But.           |                                      |  |
| 102 P1+1                |                                      |  |
| 70.e H0                 |                                      |  |
| vol                     |                                      |  |
| C) 32C 1L.              | 6                                    |  |
|                         | Pare # 3 × 12 0/N.                   |  |
| Com ac 1,2,4,5,6,8      | No +00 for#7                         |  |
| 9,10,11,13,14,16        |                                      |  |

Chick plants 1 x2 prior to seguing. 1 e → 10 e. ~ ~ 1,2,4 e ~ 2 l. 2 < 6 e 2 /st e 100 y/e. 200 ng 1 lst → 12.5 ng 3 kb. 600 mg 2 ls+ -> 37 mg 3 kb Soring DNA 5're of 100mg/repor markon 1 e to = 37g. in. 370g/re 1 stack Take 1.3, e q stock -> ste. Do f=R a 1+2 1.3 e DNA + 3.7 e HO Rasul are for places 12 + 3 (A: B for both) Title on direct places (Apple) & you O/N.

50/50. 100-1 LB (20 x 5ml Male 200-1 LB Ago. 29 Nace 19 Noce Le 5N 19 Typ spent 29 Typhe 0.59 46 29 Ayar C) pH 7.0 + anticone

Ra # 9 8.2.96 on 2 x 15 1/. 5 x VJ solo 176e + 176e pull get pedan to 2 Fox 10 mm, 45 %. rether, 10 % INC Star BIBL 30min Excie tolo -> 500 e Ponge belle - lampid -> JAC O/N. Chus 1,2,4,5,6,8,9,10,11,13,14 +16 indul. Inc. In LB Are/ Mar with 100 e of genes celos. and to OD 0.6 - 1 & wi IPS to lam an 34. - In feet - goon for 2's b, shee 00 = 0.2 So we 10Th of you for an astime 6 h Relet a hope will they Earl por -> 40, p. 130 20 € 40he -> -80°C Pepae 28,010 of GST closes from pers. and for WIZ DNA graps. Also keep Int of colore & yeller for control o.f. inhal alkes 700 e ach + 300 e 50% egue + 110 320



Version 2.1.1

040796\_09

Signal G:158 A:196 T:43 C:69 DT4%Ao(A Set-AnyPrimer)

Points 1160 to 8000 Base 1: 1160 Instrument 901356 JB.

Spacing: 9.

al known all the bolow has born believe my also mention my be a superior of a born to be a little of the contract of the contr NA CTG CGG CTC CGGC CTC TGGAAANCTCAAG G GCGAACCGCANG CGC ANG CGCCCC GCCCA A ATGCT GG A CA TCCT CAANACCCCT CCACNG CNCCCC TCGGG GA CAAAC CCTTTCT T CGG CGG TGAA |0 490 500 510 520 530 540 550 560 570 580 590 600 TOGGG TT CGTCCAAON OC GC CTTICNOGCCCTT C ACC GNC T GGTTTCCT OAT CTA CNA AAAGTATT GGNAATTCCCCCCT G CCGGAAGT GNLNCC CAANATCT CCCCC TRUGGCCOAN COCCTNOC GCCAAACCNSAANAACT Darant Lange Constant was a confus of the Contract of the Cont

month hold while the health by month health hold while the second has been been a three months and the

allowed the more than a more than the more than the more of the more than the more of the more than the more of th

290

300

MANAGORA MACARDES CONTRA MA WORD MANAGORA CONTRA CONTRA CONTRACTOR CONTRACTOR